JARRAR RAZA H

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Pune,Maharashtra

CAREER OBJECTIVES

Higher Qualification   **MBA (Marketing and Finance [2018])**
Qualification   **B.E (Computer Science and Engineering)**

A dynamic & result oriented professional having total 2.5 years of experience in **Business Analyst** and **analytics and Visualization.**

JOB PROFILE

Working experience of **SDLC cycle and the agile method of software** development involving different tools(R, Python, SQL, Tableau)/Software platforms.Use MS Excel and statistical software (R, Python & Tableau) to perform variety of quantitative analysis then give interpretation and presentation.Use Satellite Image, Weather data, Agriculture Crops data and Air Quality data for analysis.

Achievements

Tableau Analyst badge from Tableau
Tableau Developer badge from Tableau
Data Scientist badge from Tableau

STRENGTHS

- Result oriented professional with **1.5 years** of experience in **analytics and Visualization.**
- Result oriented professional with **1 year** of experience in **Business Analyst**
- Have management skills like situation handling, leadership, Time management.
- Well versed with various data extracting, manipulation, analyzing techniques in **R, Tableau Desktop, Tableau Server and EXCEL,SQL** and hence Conversion of the business requirement into data specification.
- Experience of business analysis in a new product or system development engagement
- Develop **business case** and make **sales and pre-sales presentation** to mid to senior-level management. **Perform code reviews, test cases** reviews wherever required.Proficiency with **SCRUM and Jira**.
- Detailed analysis of functional requirements and prepare cost and effort estimation with the development team.
- Great level of computer literacy and advanced knowledge of Microsoft applications, including MS Word, MS Excel, and MS PowerPoint.
- Profound interpersonal skills and the ability to communicate with the people.

Software Tools	Statistical Techniques	Analytics Exposure	Other Skills
R Python (Medium) Tableau Desktop Tableau Server SQL MS-Excel.	Market Segmentation (Cluster & Factor analysis) Regression Analysis, Clustering, Interpolation Decision Tree, Random Forest, SVM, PCA, RMSE Multicollinearity, ANOVA Confusion Matrix, etc.	Machine learning (TensorFlow & Keras) Marketing Analytics, rainfall & temperature data interpolation, crop yield prediction, pest and disease forecasting, Air Quality Index prediction	Web Scraping(R & Python) Selenium (Automation) Digital Marketing

EMPLOYMENT DETAIL

Company: Skymet Weather Services Pvt. Lt(Delhi)
Profile   : Research Associate(2018-Present)

PROJECT DETAILS

To classify images of Agricultural Land and Crops:

We use Machine Learning (TensorFlow and Keras) to identify the images of Agricultural land and Crops.

Requirement: High resolution cloud free Satellite Image

Software: Python, R

Methodology:

Filtering the image by selecting the best cloud free and clipping the image with the study area.
- The image then converted into 25km*25km pixel size to 9m*9m pixel size.
- True Color image, False Color image and NDVI computed image were used for identifying the crop features.
- Extract each pixel values from the image.
- Reshape the data required format.
- Perform the Technique such as Random Forest, SVM, Decision Tree for the classification.

Web Scraping and Automation with RSelenium:

I use web scraping technique (Using **Rstudio**) to fetch the data directly from the server and websites to minimize the process time and disk space. Automate and Testing of data with Rselenium for daily data updates on websites.

Crop Yield Prediction Using Regression and DSSAT (<u>Decision Support System for Agro technology Transfer</u>):

In this project Crop yield data was taken from 1997-2017 and the corresponding weather parameters (maximum temperature, minimum temperature, rainfall, relative humidity etc.) were taken for the prediction of crop yield. NDVI **(Normalized difference vegetation index)** and soil moisture data were also used separately. The Decision Support System for Agro technology Transfer (DSSAT) is a software application program which is used in crop simulation models. The tools include database management programs for soil, weather, crop management and experimental data, utilities and application programs.

IMD (India Meteorological Department) and Skymet analysis data comparison:

In this project we have taken the data (Temperature and rainfall) from year 1971- 2017. We have IMD data at 1° and Skymet data at 0.25° . For comparison we need both the dataset at same degree So we have to convert IMD dataset to 0.25° using linear interpolation technique in **MATLAB & Rstudio.** We have applied the spatial correlation technique for comparison and the correlation was shown in the map of India.

Tableau:
- Used **Web data connector** and **REST API** to extract data directly from web.
- Visualization of heat maps using temperatures data and Rainfall data on India map.
- Analysis and visualization of weather data using different charts.
- Basic knowledge of migration or deployment of Tableau dashboards to & from server / another desktop.
- Good knowledge of various features like filters, calculations, actions, choosing the right / recommended visuals, creating dashboards / stories. Also worked with URL capability of Tableau.
- Developed Tableau workbooks from multiple data sources using Data Blending.

R programming:
- Good knowledge of ggplot2,dplyr package, table function, reshape package, etc..
- Good knowledge of Selenium tool and Web Scraping, Good knowledge of RShiny.

  Experience with statistical using R. Basic statistical inference. Hands on with sampling technique, estimation, hypothesis testing, time series, correlation and regression analysis, Variogram, Predictive Analysis and Neural network.

- Project experience in segmentation analysis, Weather forecasting and Crop forecasting.

<u>SCHOLASTICS</u>
- **MBA (Marketing and Finance)** from **Pondicherry University, Puducherry** in **2018 with 72.4%**
- **B.E (Computer Science & Engineering)** from **P.B College of Engineering, Chennai** in **2014** with **68.5%**
- **Intermediate** from **Holy Cross School,** in **2010** with **77.33%**
- **High School** from **Holy Cross School** in **2008** with **84%**

Declaration:

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Jarrar Raza H